SEQUENCE LISTING

<110> Harada, Shun-ichi
Kasparcova, Viera
Glantschnig, Helmut

<120> RHESUS MONKEY DICKKOPF-1, NUCLEOTIDES
ENCODING SAME, AND USES THEREOF

<130> 21350YP

<150> PCT/US2004/038489
<151> 2004-11-12

<150> 60/520,705
<151> 2003-11-17

<160> 22

<170> FastSEQ for Windows Version 4.0

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<211> 801
<212> DNA
<213> Macaca mulatta

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gcgatcaaga acctgccccc accgctgggc ggcgctgcgg ggcacccagg ctctgcagtc 180
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acccgcggag gggacgcggg cgtgcaaatc tgtctcgcct gcaggaagcg ccgaaaacgc 360
tgcatgcgtc acgctatgtg ctgccccggg aattactgca aaaatggaat atgtgtgtct 420
tctgatcaaa ataatttccg aggggaaatt gaggaaacca ttactgaaag ctttggtaat 480

gatcatagca ctttggatgg gtattccaga agaacaacat tgtcttcaaa aatgtatcac 540
agcaaaggac aagaaggttc tgtgtgtctc cggtcatcag actgtgccac aggactgtgt 600
tgtgctagac acttctggtc caagatctgt aaacctgtcc tcaaagaagg tcaagtgtgt 660
accaagcata gaagaaaagg ctctcatggg ctagaaatat tccagcgttg ttactgcgga 720
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<212> PRT
<213> Macaca mulatta

<400> 2

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Leu Asn Ser Val Leu Asn Ser Asn Ala Ile Lys Asn Leu Pro Pro Pro
        35                  40                  45
Leu Gly Gly Ala Ala Gly His Pro Gly Ser Ala Val Ser Ala Ala Pro
    50                  55                  60
Gly Ile Leu Tyr Pro Gly Gly Asn Lys Tyr Gln Thr Ile Asp Asn Tyr
65                  70                  75                  80
Gln Pro Tyr Pro Cys Ala Glu Asp Glu Glu Cys Gly Thr Asp Glu Tyr
                85                  90                  95
Cys Ala Ser Pro Thr Arg Gly Gly Asp Ala Gly Val Gln Ile Cys Leu
            100                 105                 110
Ala Cys Arg Lys Arg Arg Lys Arg Cys Met Arg His Ala Met Cys Cys
        115                 120                 125
Pro Gly Asn Tyr Cys Lys Asn Gly Ile Cys Val Ser Ser Asp Gln Asn
    130                 135                 140
Asn Phe Arg Gly Glu Ile Glu Glu Thr Ile Thr Glu Ser Phe Gly Asn
145                 150                 155                 160
Asp His Ser Thr Leu Asp Gly Tyr Ser Arg Arg Thr Thr Leu Ser Ser
                165                 170                 175
Lys Met Tyr His Ser Lys Gly Gln Glu Gly Ser Val Cys Leu Arg Ser
            180                 185                 190
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Ser Asp Cys Ala Thr Gly Leu Cys Cys Ala Arg His Phe Trp Ser Lys
        195                 200                 205
Ile Cys Lys Pro Val Leu Lys Glu Gly Gln Val Cys Thr Lys His Arg
    210                 215                 220
Arg Lys Gly Ser His Gly Leu Glu Ile Phe Gln Arg Cys Tyr Cys Gly
225                 230                 235                 240
Glu Gly Leu Ser Cys Arg Ile Gln Lys Asp His His Gln Ala Ser Asn
                245                 250                 255
Ser Ser Arg Leu His Thr Cys Gln Arg His
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<220>
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<223> Human Dkk-1 forward primer

<400> 6
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<210> 7
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<210> 8
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<212> DNA
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<223> Human Dkk-1 probe

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<210> 9
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<400> 9
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<223> Rhesus Monkey Dkk-1 reverse primer

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<210> 11
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<400> 11
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<400> 19
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<211> 801
<212> DNA
<213> Homo sapiens

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acccgcggag gggacgcggg cgtgcaaatc tgtctcgcct gcaggaagcg ccgaaaacgc 360
tgcatgcgtc acgctatgtg ctgccccggg aattactgca aaaatggaat atgtgtgtct 420
tctgatcaaa atcatttccg aggagaaatt gaggaaacca tcactgaaag ctttggtaat 480
gatcatagca ccttggatgg gtattccaga agaaccacct tgtcttcaaa aatgtatcac 540
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tgtgctagac acttctggtc caagatctgt aaacctgtcc tgaaagaagg tcaagtgtgt 660
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<210> 21
<211> 265

<212> PRT
<213> Homo sapiens

<400> 21

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            20                  25                  30
Asn Ser Val Leu Asn Ser Asn Ala Ile Lys Asn Leu Pro Pro Pro Leu
        35                  40                  45
Gly Gly Ala Ala Gly His Pro Gly Ser Ala Val Ser Ala Ala Pro Gly
    50                  55                  60
Ile Leu Tyr Pro Gly Gly Asn Lys Tyr Gln Thr Ile Asp Asn Tyr Gln
65                  70                  75                  80
Pro Tyr Pro Cys Ala Glu Asp Glu Glu Cys Gly Thr Asp Glu Tyr Cys
                85                  90                  95
Ala Ser Pro Thr Arg Gly Gly Asp Ala Gly Val Gln Ile Cys Leu Ala
            100                 105                 110
Cys Arg Lys Arg Arg Lys Arg Cys Met Arg His Ala Met Cys Cys Pro
        115                 120                 125
Gly Asn Tyr Cys Lys Asn Gly Ile Cys Val Ser Ser Asp Gln Asn His
    130                 135                 140
Phe Arg Gly Glu Ile Glu Glu Thr Ile Thr Glu Ser Phe Gly Asn Asp
145                 150                 155                 160
His Ser Thr Leu Asp Gly Tyr Ser Arg Arg Thr Thr Leu Ser Ser Lys
                165                 170                 175
Met Tyr His Thr Lys Gly Gln Glu Gly Ser Val Cys Leu Arg Ser Ser
            180                 185                 190
Asp Cys Ala Ser Gly Leu Cys Cys Ala Arg His Phe Trp Ser Lys Ile
        195                 200                 205
Cys Lys Pro Val Leu Lys Glu Gly Gln Val Cys Thr Lys His Arg Arg
    210                 215                 220
Lys Gly Ser His Gly Leu Glu Ile Phe Gln Arg Cys Tyr Cys Gly Glu
225                 230                 235                 240
Gly Leu Ser Cys Arg Ile Gln Lys Asp His His Gln Ala Ser Asn Ser
                245                 250                 255
Ser Arg Leu His Thr Cys Gln Arg His
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260 265

<210> 22
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<212> PRT
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 1               5                  10                  15
Thr Met Met Ala Leu Cys Ser Leu Pro Leu Leu Gly Ala Ser Ala Thr
            20                  25                  30
Leu Asn Ser Val Leu Ile Asn Ser Asn Ala Ile Lys Asn Leu Pro Pro
        35                  40                  45
Pro Leu Gly Gly Ala Gly Gly Gln Pro Gly Ser Ala Val Ser Val Ala
    50                  55                  60
Pro Gly Val Leu Tyr Glu Gly Gly Asn Lys Tyr Gln Thr Leu Asp Asn
65                  70                  75                  80
Tyr Gln Pro Tyr Pro Cys Ala Glu Asp Glu Glu Cys Gly Ser Asp Glu
                85                  90                  95
Tyr Cys Ser Ser Pro Ser Arg Gly Ala Ala Gly Val Gly Gly Val Gln
            100                 105                 110
Ile Cys Leu Ala Cys Arg Lys Arg Arg Lys Arg Cys Met Thr His Ala
        115                 120                 125
Met Cys Cys Pro Gly Asn Tyr Cys Lys Asn Gly Ile Cys Met Pro Ser
    130                 135                 140
Asp His Ser His Phe Pro Arg Gly Glu Ile Glu Glu Ser Ile Ile Glu
145                 150                 155                 160
Asn Leu Gly Asn Asp His Asn Ala Ala Ala Gly Asp Gly Tyr Pro Arg
                165                 170                 175
Arg Thr Thr Leu Thr Ser Lys Ile Tyr His Thr Lys Gly Gln Glu Gly
            180                 185                 190
Ser Val Cys Leu Arg Ser Ser Asp Cys Ala Ala Gly Leu Cys Cys Ala
        195                 200                 205
Arg His Phe Trp Ser Lys Ile Cys Lys Pro Val Leu Lys Glu Gly Gln
    210                 215                 220
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Val Cys Thr Lys His Lys Arg Lys Gly Ser His Gly Leu Glu Ile Phe
225                 230                 235                 240
Gln Arg Cys Tyr Cys Gly Glu Gly Leu Ala Cys Arg Ile Gln Lys Asp
                245                 250                 255
His His Gln Ala Ser Asn Ser Ser Arg Leu His Thr Cys Gln Arg His
            260                 265                 270
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